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**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-38 (canceled).

39. (currently amended): An organic light emitting device comprising an anode, a cathode and an emissive layer, wherein the emissive layer is located between the anode and the cathode and the emissive layer comprises an electron transporting host material doped with a phosphorescent dopant material, wherein the phosphorescent dopant material has a HOMO energy less than the ionization potential of the electron transporting host material, wherein the phosphorescent dopant material has a LUMO energy level lower than a LUMO energy level of the electron transporting host material, wherein the electron transporting host material has a lowest triplet excited state having a triplet state energy, and wherein the phosphorescent dopant material has a triplet excited state with a triplet state energy that is less than the triplet state energy of the lowest triplet excited state of the electron transporting host material.

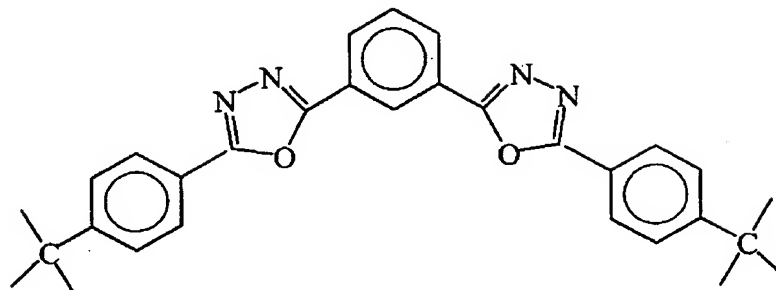
40. (cancelled).

41. (previously presented): The organic light emitting device of claim 39 wherein the electron transporting host material comprises an aryl-substituted oxadiazole.

42. (previously presented): The organic light emitting device of claim 41 wherein the aryl-substituted oxadiazole comprises a compound represented by

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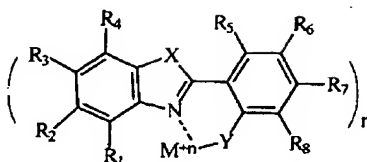
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43. (previously presented): The organic light emitting device of claim 39 wherein the electron transporting host material comprises an aryl-substituted triazole.
44. (previously presented): The organic light emitting device of claim 43 wherein the aryl-substituted triazole comprises 3-phenyl-4-(1'-naphthyl)-5-phenyl-1,2,4-triazole.
45. (previously presented): The organic light emitting device of claim 39 wherein the electron transporting host material comprises an aryl-substituted phenanthroline.
46. (previously presented): The organic light emitting device of claim 45 wherein the aryl-substituted phenanthroline comprises 2,9-dimethyl-4,7-diphenyl-1,10-phenanthroline.
47. (previously presented): The organic light emitting device of claim 39 wherein the electron transporting host material comprises a benzoxazole or benzothiazole compound having the chemical structure:

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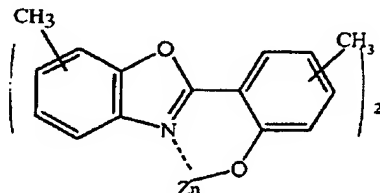
where X and Y are independently O, S;

M represents a metal;

n is a integer from 1 to 3; and

R<sub>1</sub> to R<sub>8</sub> are, independently, a hydrogen atom, an aryl group or an alkyl group.

48. (currently amended): The organic light emitting device of claim 39 wherein the electron transporting host material comprises a zinc benzoxazole compound having the chemical structure:



49. (previously presented): The organic light emitting device of claim 39 wherein the phosphorescent dopant material comprises fac-tris (2-phenylpyridine)-iridium.

50. (currently amended): An organic light emitting device comprising:

- a substrate;
  - an anode layer over said substrate;
  - a hole transporting layer over said anode layer;
  - a first electron transporting layer over said hole transporting layer,
- wherein said first electron transporting layer comprises an electron

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transporting host material doped with a phosphorescent dopant material, wherein the phosphorescent dopant material has a HOMO energy less than the ionization potential of the electron transporting host material, wherein the phosphorescent dopant material has a LUMO energy level lower than a LUMO energy level of the electron transporting host material, wherein the ~~first~~ electron transporting host material has a lowest triplet excited state having a triplet state energy, and wherein the phosphorescent dopant material has a triplet excited state with a triplet state energy that is less than the triplet state energy of the lowest triplet excited state of the ~~first~~ electron transporting host material;

a second electron transporting layer over said first electron transporting layer; and

a cathode layer over said second electron transporting layer.

51. (cancelled).

52. (previously presented): The organic light emitting device of claim 50 wherein the electron transporting host material comprises an aryl-substituted oxadiazole.

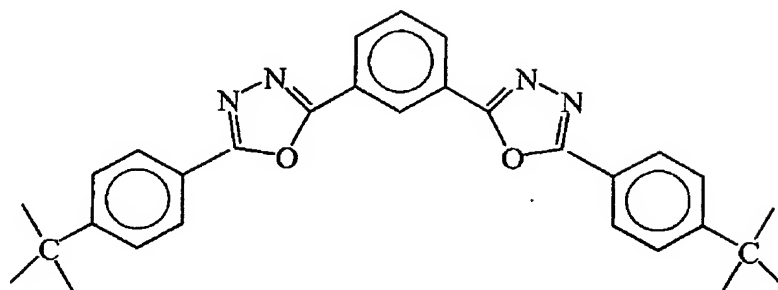
53. (previously presented): The organic light emitting device of claim 52 wherein the aryl-substituted oxadiazole comprises a compound represented by

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54. (previously presented): The organic light emitting device of claim 50 wherein the electron transporting host material comprises an aryl-substituted triazole.

55. (previously presented): The organic light emitting device of claim 54 wherein the aryl-substituted triazole comprises 3-phenyl-4-(1'-naphthyl)-5-phenyl-1,2,4-triazole.

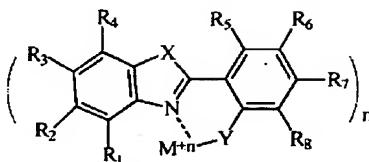
56. (previously presented): The organic light emitting device of claim 50 wherein the electron transporting host material comprises an aryl-substituted phenanthroline.

57. (previously presented): The organic light emitting device of claim 56 wherein the aryl-substituted phenanthroline comprises 2,9-dimethyl-4,7-diphenyl-1,10-phenanthroline.

58. (previously presented): The organic light emitting device of claim 50 wherein the electron transporting host material comprises a benzoxazole or benzothiazole compound having the chemical structure:

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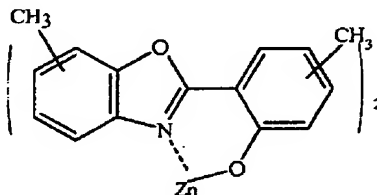
where X and Y are independently O, S;

M represents a metal;

n is a integer from 1 to 3; and

R<sub>1</sub> to R<sub>8</sub> are, independently, a hydrogen atom, an aryl group or an alkyl group.

59. (currently amended): The organic light emitting device of claim 50 wherein the electron transporting host material comprises a zinc benzoxazole compound having the chemical structure:



60. (previously presented): The organic light emitting device of claim 50 wherein the phosphorescent dopant material comprises fac-tris (2-phenylpyridine)-iridium.

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